## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,597,977 B2 Page 1 of 1

APPLICATION NO. : 10/735694 DATED : October 6, 2009

INVENTOR(S) : Shigetaka Hamada et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<u>Column</u>	<u>Line</u>	
5	21	Change "pressure $P_{H2}(C)$ " topressure $P_{H2}(c)$
5	34	Change " $P_{TOTAL}(C)$ " to $P_{TOTAL}(c)$
5	44	Change " $P_{H2}(C)$ " to $P_{H2}(c)$
5	45	Change " $P_{TOTAL}(C)$ " to $P_{TOTAL}(c)$
6	1	Change " $P_{H2}(C)$ " to $P_{H2}(c)$
8	30	Change " $P_{H2}(C)$ " to $P_{H2}(c)$
8	40	Change " $P_{TOTAL}(C)$ " to $-P_{TOTAL}(c)$

Signed and Sealed this

Eleventh Day of May, 2010

David J. Kappos Director of the United States Patent and Trademark Office